

DRINKING WATER DISTRIBUTION SYSTEMS CHECKLIST

PROJECT NAME: _____

PWSID #: _____ Utility Name: _____

County: _____

Utility Address: _____

City: _____ STATE: _____

Engineer: _____ Phone: _____

Fax: _____

E-mail Address: _____

Address: _____

City: _____ STATE: _____

To improve the effectiveness of the DOW's review process, please respond to all the applicable questions that follow and provide all of the requested information.

Is this a federally funded project (i.e. SRF or SPAP)? _____

Drinking Water State Revolving Fund

US EPA Special Appropriation (Congressional) Grant

If yes, has an Environmental Information Document been reviewed and approved? ____

If the project has been submitted to the State Clearinghouse for review, please provide the SAI number: _____

Identify all funding sources: _____

Provide a brief description for waterline projects with less than 10,000 linear feet (at a minimum identify the various line sizes, corresponding lengths and cost estimate):

All other Distribution projects should be accompanied with a detailed project description.

Is your system currently under any type of waterline or sewer sanctions? _____

If yes, please submit an exception request and attach supporting documentation to justify its approval.

If another utility will serve the proposed project, provide the name and the PWSID No.

Utility: _____ PWSID No. _____

Identify the number of new customers and their projected demand? _____

Identify the number of existing residents; and their projected water demand, that may get served as a result of this project? _____

Identify the total number of customers in your service area? _____



You may modify Page 1 to suit your own personal needs as long as all of the information from the first page is on your modified page(s). Please use separate sheets of paper, if needed, to provide a response to questions from Page 1. When ready to submit, MAIL TO: **DRINKING WATER BRANCH, ATTN: PLANS REVIEW; CHECKLIST, 14 Reilly Road, Frankfort, KY, 40601**

Regulation 401 KAR 8:100, requires the submittal of the following:

Four (4) copies of detailed plans and specifications (**no larger than 24" X 36"**) that depict the mains' sizes and type of material, valves, master meters, storage tanks, pump stations, a vicinity map, stream crossing and road crossing details.

Please submit a United States Geological Survey quadrangle map, which shows the project location.

Projects with cost in excess of \$2,000 shall be prepared, stamped, signed and dated by a Professional Engineer. Projects that propose to provide water service to existing residences shall submit names and addresses of all existing residences.

Fees: Refer to the regulation about fees (401 KAR 8:050), which can be found at <http://www.lrc.state.ky.us/kar/401/008/050.htm>. Projects funded by a municipality, water District, or other publicly owned treatment works are exempt from the fee. If your project involves the extension of less than 10,000 feet of waterlines, then the applicable fee is \$ 150. Projects that involve more than 10,000 feet of lines or the addition of pump stations or tanks have \$ 325 applicable fee. **Make checks payable to the Kentucky State Treasurer.**

A signed letter of acceptance from utility, which states the utility has reviewed and approved the plans and specifications and agrees to serve the proposed project upon completion. If the utility is a purchaser and the project demand is greater than 10,000 gallons per day, please submit a valid water purchase contract and acceptance letter from the seller.

Engineering calculations; demonstrate the availability of 30 psig at the discharge side of each proposed connection under peak demand conditions and the ability to flush the lines using 2.5 ft/sec flow, while maintaining 20 psig throughout the distribution system.

Projects that propose the addition of storage tanks should be accompanied with engineering calculations, which demonstrates a complete fill and drain cycle every 72 hours. Also identify each tank's location coordinates.

New or upgraded pump stations require the submittal of pump sizing calculations and the proposed pump's characteristics curve along with the efficiency, horsepower and NPSHR data. Also identify each pump station's location coordinates.

